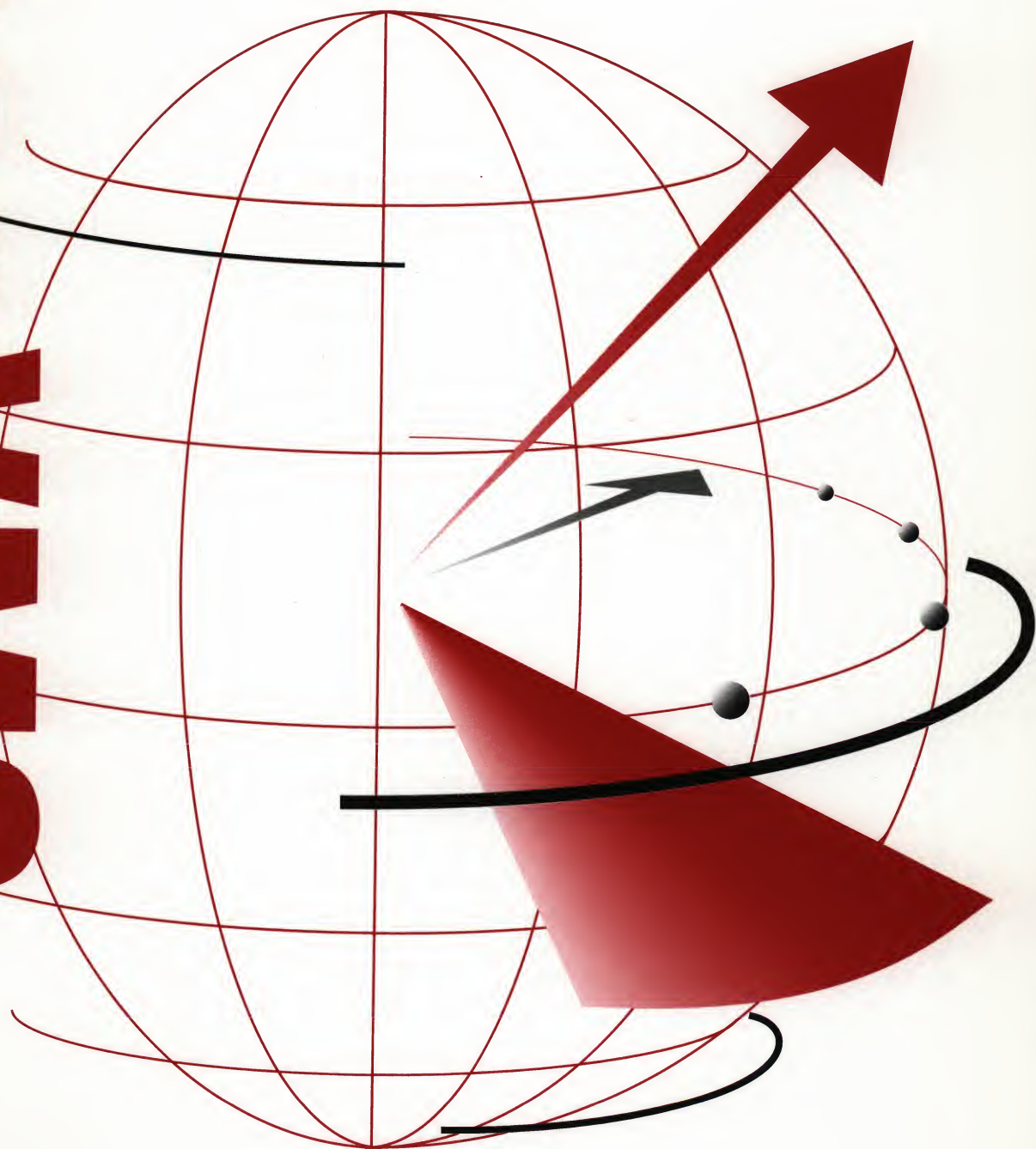


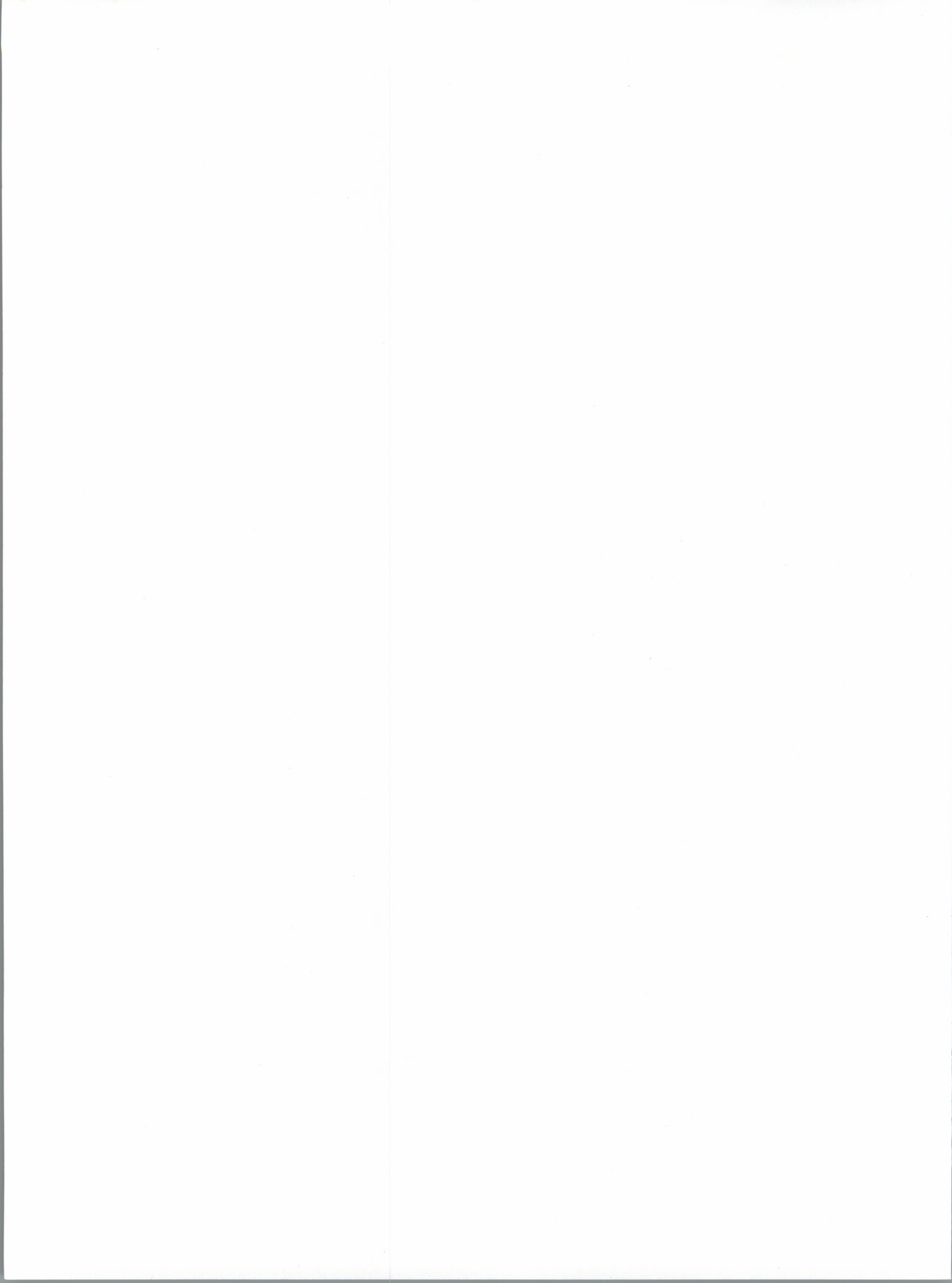
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## OpenVMS Management Station Overview and Release Notes

OpenVMS

# OpenVMS





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# OpenVMS Management Station Overview and Release Notes

Order Number: AA-QJGCA-TE

**May 1995**

This document provides an overview of OpenVMS Management Station and describes how to get started using the software. This document also includes release notes for OpenVMS Management Station.

**Revision/Update Information:**

This is a new manual.

**Software Version:**

OpenVMS Alpha Version 6.2  
OpenVMS VAX Version 6.2



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May 1995

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## Preface

This document is divided into the following chapters:

- Chapter 1 provides an overview of OpenVMS Management Station.
- Chapter 2 describes how to get started using the OpenVMS Management Station software.
- Chapter 3 describes pertinent release notes that you should read before you start to use OpenVMS Management Station.

### **Audience**

This document is intended for system managers, operators, and others who want to use OpenVMS Management Station to manage user accounts.

## Results

1. The first result is that the mean number of correct responses was significantly higher than the mean number of incorrect responses ( $t(10) = 10.0, p < .001$ ). This result is consistent with the hypothesis that the majority of responses were correct.
2. The second result is that the mean number of correct responses was significantly higher than the mean number of incorrect responses ( $t(10) = 10.0, p < .001$ ). This result is consistent with the hypothesis that the majority of responses were correct.
3. The third result is that the mean number of correct responses was significantly higher than the mean number of incorrect responses ( $t(10) = 10.0, p < .001$ ). This result is consistent with the hypothesis that the majority of responses were correct.

### Discussion

The results of this study suggest that the majority of responses were correct. This is consistent with the hypothesis that the majority of responses were correct.



This chapter provides a quick overview of OpenVMS Management Station.

## What Is OpenVMS Management Station?

OpenVMS Management Station is a powerful, Microsoft®Windows™ based management tool for system managers and others who perform account management tasks on OpenVMS systems. OpenVMS Management Station provides a comprehensive user interface to OpenVMS system account management.

OpenVMS Management Station addresses the problem of having to use multiple OpenVMS utilities to manage OpenVMS accounts. For example, creating an account traditionally consists of the following steps:

- Adding a UAF entry
- Granting rights identifiers
- Creating a directory
- Creating disk quotas
- Granting network proxies

This operation requires you to use DCL, the AUTHORIZE utility, and the DISKQUOTA component of the SYSMAN utility.

OpenVMS Management Station provides an easy-to-use interface to this process. You do not need to use multiple utilities; OpenVMS Management Station does it all.

OpenVMS Management Station consists of two components. You install the Microsoft Windows based "client" software on a PC to perform all management operations. You install the "server" component on all of the OpenVMS systems you want to manage. You do not interact directly with the server component.

## What Can You Do with OpenVMS Management Station?

Version 1.0-B of OpenVMS Management Station allows you to organize the systems you need to manage in ways that are meaningful to you and your environment, and allows you to manage user accounts on those systems.

You can use OpenVMS Management Station to manage OpenVMS user accounts in a convenient, easy manner. For example, when creating an account, OpenVMS Management Station can add a user authorization file (UAF) entry, grant rights identifiers, create an OpenVMS directory, set a disk quota, set up OpenVMS Mail characteristics, and so forth.



**ManageWORKS - OpenVMS User Account Zoom**

Username:    
 Attribute(s):

**Contact Information**

Owner:   
 Location:   
 Phone:  ID:

**State**  
☒ Enabled ☐ Disabled

**Account Expiration**  
 Expires On:  /  /  :  :   
☒ No expiration

**UIC**  
 .

**Accounting Group:**  **Priority:**

**Home / Login disk**  
 Disk:  Directory:   
 Disk Quota:

Plus, you can **easily manage user accounts across multiple OpenVMS systems**. For example, assume that you have an account on three different VMScluster systems. With OpenVMS Management Station, you can easily update a process quota, add a privilege, grant a rights identifier, and so forth, for each instance of the account.




OpenVMS Management Station manages the following OpenVMS resources:

- The SYSUAF.DAT user authorization file
- The RIGHTSLIST.DAT user rights file
- The network proxy database
- Account login-directory trees
- User account disk quotas
- The OpenVMS Mail VMSMAIL\_PROFILE.DAT file



## What Account Management Operations Are Supported?

OpenVMS Management Station supports the following account management operations:

Operation	How Performed
Create user accounts	<b>Create</b> from the Actions menu, or  from the toolbar
Modify user accounts (any aspect)	<b>Zoom</b> from the Actions menu, or  from the toolbar
Delete user accounts	<b>Delete User(s)</b> from the Actions menu
Rename user accounts	<b>Rename User(s)</b> from the Actions menu
Display user account attributes	<b>Zoom</b> from the Actions menu, or  from the toolbar

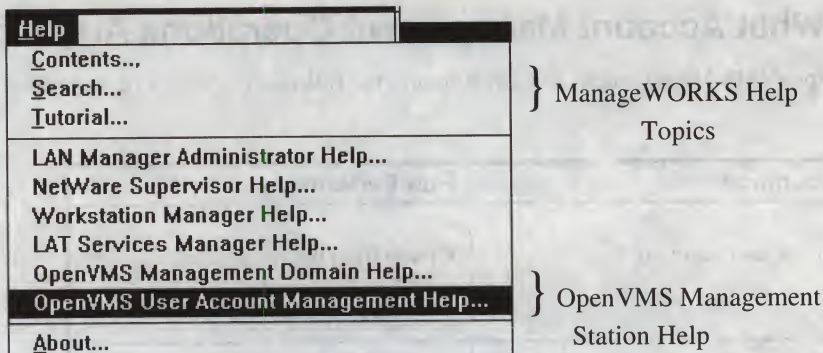
## Where Is OpenVMS Management Station Documented?

The features and functions of OpenVMS Management Station are completely described in extensive online help files. You can access the help files in any of the following ways:

- From the OpenVMS Management Station Help icon in the PATHWORKS Windows Application program group
- From the Help button on OpenVMS Management Station dialog boxes
- From the ManageWORKS help menu

**Note:** The ManageWORKS help menu contains help about ManageWORKS and other installed components as well as help about OpenVMS Management Station. For example, if you select Contents from this help menu, the ManageWORKS Contents help screen is displayed.





If you want help about OpenVMS Management Station, make sure that you select the OpenVMS Management Domain Help or the OpenVMS User Account Management Help entry.




## Does OpenVMS Management Station Work with PATHWORKS?

OpenVMS Management Station is tightly integrated with the ManageWORKS component of PATHWORKS. In fact, you run ManageWORKS to access the OpenVMS Management Station software. OpenVMS Management Station works within the ManageWORKS framework to provide user account management capabilities.

## What Types of Systems Can an OpenVMS Management Domain Contain?


The systems in the OpenVMS Management Domain depend on your needs. They might be some of the clusters in a network, all of the systems on a given floor of a building, a mix of clusters and nonclustered nodes, and so forth. You create the OpenVMS Management Domain based on how you want to manage the systems under your control.



OpenVMS Management Domains can include the following:

-  VMScluster systems
-  OpenVMS nonclustered nodes
-  Other OpenVMS Management Domains

## Are There Symbols for User Accounts, Too?

OpenVMS Management Station uses the following symbols (called **objects**) to perform account management operations:

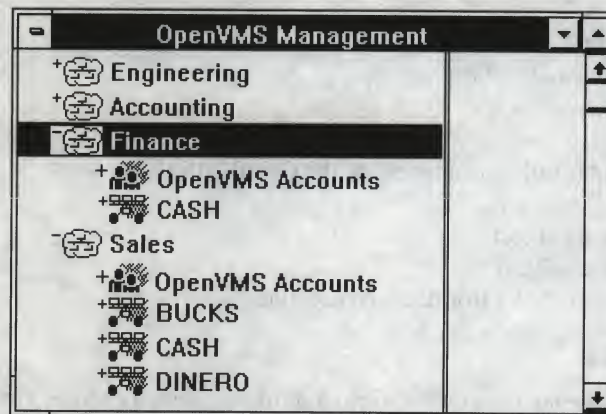
The OpenVMS Accounts object  represents OpenVMS users for a given OpenVMS Management Domain, VMScluster, or OpenVMS Node. You use this object to display a list of user accounts and to create new accounts.

OpenVMS User objects have two forms:  represents enabled accounts;  represents disabled accounts.



## How Are the Systems to be Managed Organized?

You use **OpenVMS Management Domains** to group OpenVMS systems.



You can think of an OpenVMS Management Domain as a "manageable unit"; that is, the system or collection of systems that you want to manage as one unit. OpenVMS Management Domains are the principal building blocks in the management hierarchy.

When you design your hierarchy, you determine what you want your manageable units to be. The systems in the OpenVMS Management Domain depend on your needs. They might be some of the clusters in a network, all of the systems on a given floor of a building, a mix of clusters and nonclustered nodes, and so forth. You create the OpenVMS Management Domain based on how you want to manage the systems under your control.

Once you have created your management domain, you can manage the user accounts on the systems in the domain.

## What is the Scope of an Operation?






The **scope** of an operation is the set of OpenVMS systems on which that operation takes place. That is, when you perform a management operation such as creating a user account, you need to be able to specify where you want the account to be created. For example, you might want to create the account on every OpenVMS system in your operation or on only one or two specific OpenVMS systems. OpenVMS Management Station gives you complete control of an operation's scope.

The scope is determined by the object you select in the hierarchy. Think of the objects in the hierarchy as **parents** and **children**. Parents contain other objects. Children are contained within parents and "inherit" the effects of operations that are performed on their parents.

If you perform an operation on an object in the hierarchy, that operation is also performed on all of that object's children. If the child object has children of its own, the operation is performed on those children as well.



## What Objects Can Be Parents?

OpenVMS Management Domain objects can be parents of the OpenVMS Accounts object, the VMScluster object, the OpenVMS Node object, and other OpenVMS Management Domains.




-  OpenVMS Management Domain object
-  OpenVMS Accounts object
-  VMScluster object
-  OpenVMS Node object
-  Other OpenVMS Management Domain objects



VMSccluster systems and nodes are parents of the OpenVMS Accounts object.

-  VMSccluster object
-  OpenVMS Accounts object

The OpenVMS Accounts object is a parent of the OpenVMS User object.

-  OpenVMS Accounts object
-  OpenVMS User object
-  OpenVMS User object (for disabled accounts)

## Avoid Surprises

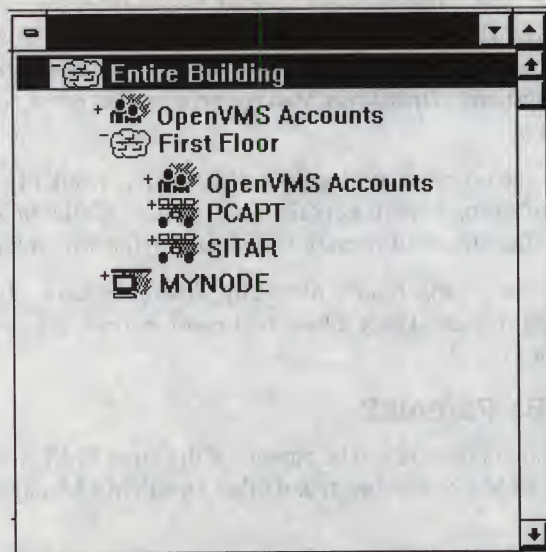
If you perform a management operation without thinking about its scope, you might be surprised by the results. For example, there might be a huge difference between creating an account on one system and creating the account on every system in your building.

To avoid surprises, carefully consider scope when you create your management hierarchy. Think about the logical relationships between systems and how to arrange those systems.

You should also consider what you want the scope of a management operation to be before you perform the operation. Think about the systems on which you want the operation to take place. Pay particular attention to the item you select in the hierarchy.

In the following example, if you create a user account for the **Entire Building** OpenVMS Management Domain object, that account is created for the **SITAR** and **PCAPT** clusters that comprise the **First Floor** OpenVMS Management Domain and for the node **MYNODE**.

If you create the same account for the **First Floor** OpenVMS Management Domain, the account is created for the **SITAR** and **PCAPT** clusters but not for **MYNODE**.





## **Are There Restrictions on the Systems in an OpenVMS Management Domain?**

You can manage any number of VMSccluster or node objects, with the following Version 1.0-B conditions:

1. Managing cluster members as individual nodes is not supported. VMSccluster systems are treated as indivisible entities; you can't perform an operation on particular cluster members.
2. Creating nodes in a cluster or deleting them from a cluster is not supported.
3. Clusters with multiple user authorization files (UAF) are not supported.
4. DECnet Phase IV is the only supported network transport from the PC. OpenVMS Management Station does support use of DECnet Phase V between servers that use Phase IV alias names.

# Are There Differences in the Development of Language in the Two Hemispheres?

The purpose of this study was to determine whether there are differences in the development of language in the two hemispheres of the brain.

The study was conducted with 100 children aged 3 to 5 years. The children were divided into two groups: a control group and an experimental group. The control group consisted of 50 children, and the experimental group consisted of 50 children.

The experimental group was given a language test that was designed to measure the children's ability to understand and use language. The control group was given a language test that was designed to measure the children's ability to understand and use language.

The results of the study showed that there were no significant differences in the development of language between the two groups. This suggests that there are no differences in the development of language in the two hemispheres of the brain.



# 2

## How to Get Started


The OpenVMS Management Station help file contains a complete example, including a walk-through, of how to get started with OpenVMS Management Station. You can access this help file from the OpenVMS Management Help icon in the PATHWORKS Windows Applications program group.

This chapter describes how to create a simple OpenVMS Management Domain consisting of one VMSccluster system. The chapter also describes how to manage user accounts on that system.

Depending on the systems you need to manage, your own OpenVMS Management Domain might include many VMSccluster systems, OpenVMS nodes, or other OpenVMS Management Domains.

### Getting Started Steps

1. Open the PATHWORKS Windows Applications program group and double-click on the

ManageWORKS icon . The ManageWORKS main dialog box is displayed.

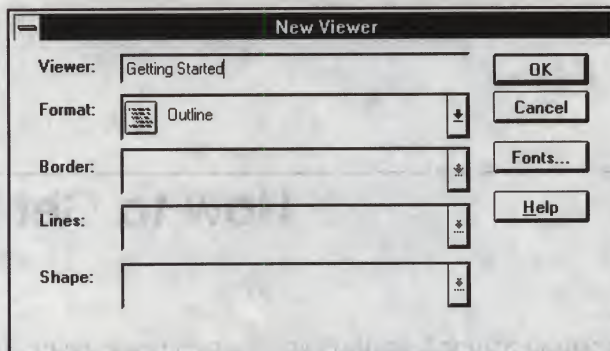
2. Choose **New** from the Viewer menu. This displays the New Viewer dialog box.

Viewer	Edit Viewer	Ac
New...		
Open...	Ctrl+F12	
Close		
Delete...		
Rename...		
Style...		
Import...		
Export...		
Print...	Ctrl+Shift+F12	
Exit	Alt+F4	

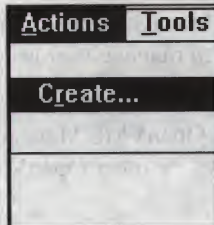


## Getting Started

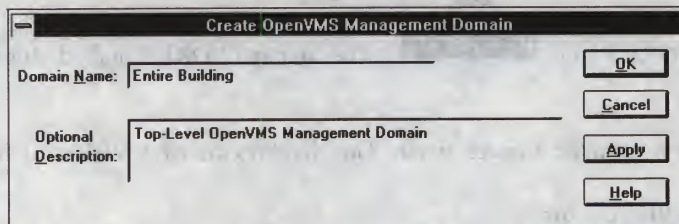
3. Enter a name for the viewer and click OK. The default format of Outline is fine for this simple example. However, you will probably find the Outline with Slider format to be the most useful for your own viewer because of the way it organizes information.



4. Choose **Create** from the Actions menu.

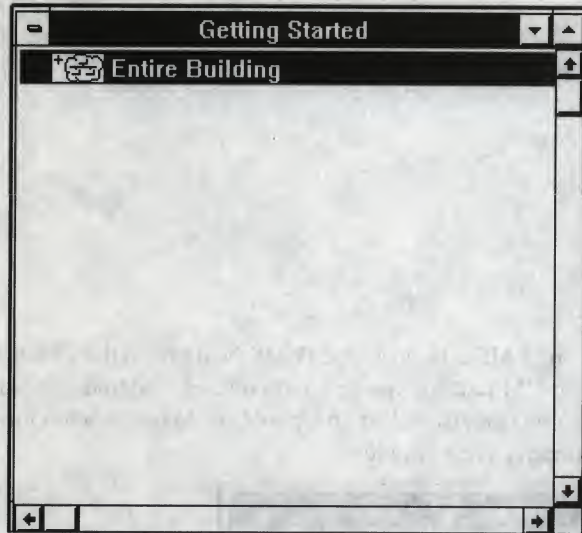



5. Enter a name and a description for this OpenVMS Management Domain and click OK.

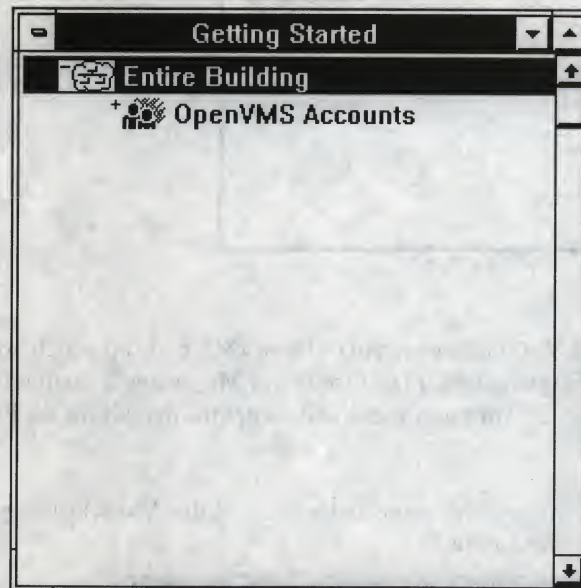




6. Select (single click on) the OpenVMS Management Domain in the viewer.

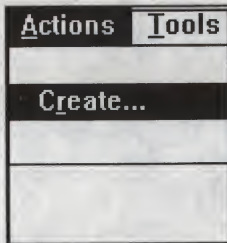


7. Click on Expand  in the toolbar to reveal the contents of the OpenVMS Management Domain.

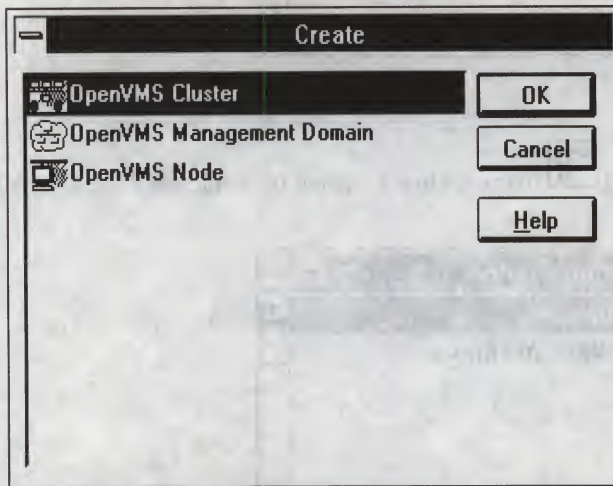


## Getting Started

8. Choose **Create** from the Actions menu. (The OpenVMS Management Domain object is already selected.)

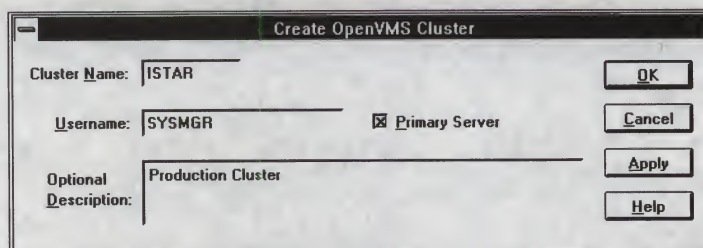


9. Select (single click on) VMSccluster or OpenVMS Node from the Create dialog box and click OK. If you have both VMSccluster systems and nonclustered nodes in your environment, you can choose either one. (You can also select an OpenVMS Management Domain, but ignore this option for now to simplify the example.)




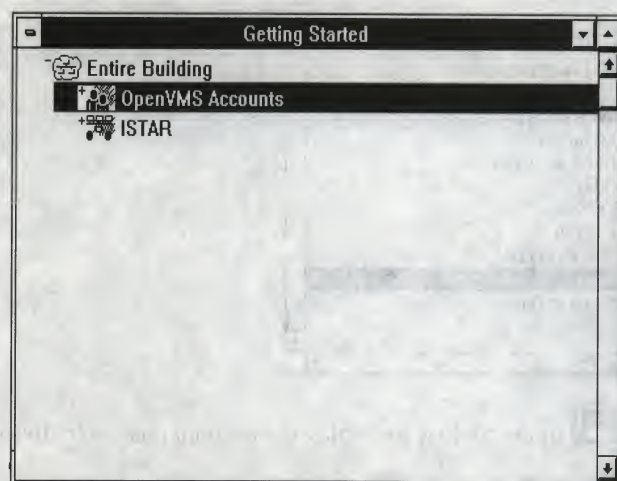
10. Fill in the name of a VMSccluster system or OpenVMS node on which you want to try OpenVMS Management Station operations. (The OpenVMS Management Station server must be running on this system.) Specify your user name and accept the default for the Primary Server control. Click OK.

Your PC must have the network name and address of this VMSccluster system or OpenVMS node defined in its DECnet database.

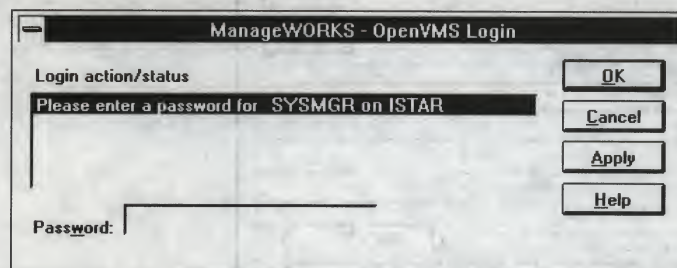




11. Select (single click on) the OpenVMS Accounts object and click on Expand  in the toolbar to display a list of user accounts.

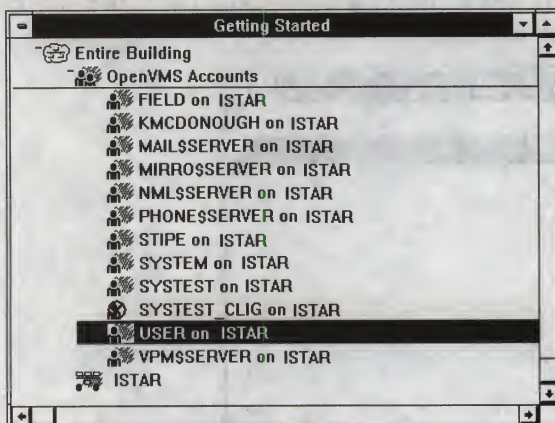



12. Enter your password for the OpenVMS system and click OK. (You need to enter a password when you first establish a connection.)





13. Select (single click on) an OpenVMS User Accounts object.



14. Click on Zoom  in the toolbar to display the account characteristics dialog box for that user account.

The screenshot shows the 'ManageWORKS - OpenVMS User Account Zoom' dialog box. At the top, 'Username:' is set to 'USER on ISTAR' and 'Attribute(s):' is set to 'Characteristics'. Action buttons on the right include OK, Cancel, Apply, Apply to All, and Help. The 'Contact Information' section contains fields for Owner (Joe J. User), Location (Big Office), Phone (x234), and ID. The 'State' section has radio buttons for Enabled (selected) and Disabled. The 'Account Expiration' section shows 'Expires On' as 0/0/0 0:0:0 with a 'No expiration' checkbox checked. The 'UIC' section shows '200 . 121' and an 'Advanced...' button. The 'Accounting Group' is 'USER' with a 'Priority' of 4. The 'Home / Login disk' section shows 'Disk:' as 'SYS\$SYSDEVICE:' and 'Directory:' as 'USER'. There is also a 'Disk Quota:' field.

## What's Next?

Examine how the account attributes are presented in OpenVMS Management Station. This is a good time to become familiar with the layout of the dialog boxes and account attributes.

Click on the Attributes control at the top of the dialog box to examine other account attributes. You can switch between attribute groups and make changes anywhere.

You can click OK to make changes and return to the viewer, Apply to make changes without returning to the viewer, or Cancel to return to the viewer without making any changes.



## Mapping AUTHORIZE Fields to OpenVMS Management Station

If you are familiar with the way the AUTHORIZE utility presents information and want to see where that information is presented in OpenVMS Management Station, see the **Mapping AUTHORIZE Fields** help topic in the OpenVMS User Account Management help file.

You can access the help files from the OpenVMS Management Help icon in the PATHWORKS Windows Applications program group, from the ManageWORKS help menu, or from the Help button on OpenVMS Management Station dialog boxes.

## A Word About Selecting Multiple User Accounts


You can use OpenVMS Management Station to easily select multiple user accounts in one or more OpenVMS Management Domains. For example, you can open three domains and select one OpenVMS User object from each domain. You can then perform operations on all of the selected user accounts or on particular accounts.

Perform the following steps to select multiple user accounts:

1. To select sequential user accounts, click on the first OpenVMS User object that you want to select. Press and hold the SHIFT key while you click on the last OpenVMS User object that you want to select.

To select nonsequential user accounts, press and hold the CTRL key while you click on the objects you want to select.

To cancel a selection, press and hold the CTRL key while you click on the selected object.

2. Choose **Zoom** from the Actions menu, or  from the toolbar, to zoom on the accounts. The account characteristics dialog box contains the attributes for the first user account you selected.
3. When you make changes, you can choose either Apply to apply changes to one account or Apply to All to apply the changes to all of the selected accounts.





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## Release Notes

This chapter contains important information regarding the OpenVMS Management Station software that is not described in the installation guide or in online help. Read this chapter before you begin using OpenVMS Management Station.

### **PATHWORKS Client Support**

OpenVMS Management Station supports PATHWORKS Client software V5.0A and V5.1. However, V5.1 is not backwardly compatible with V5.0A.

If you install the OpenVMS Management Station software under PATHWORKS V5.0A, and then upgrade your PATHWORKS installation to V5.1, you must reinstall the OpenVMS Management Station software.

### **ManageWORKS Components**

The OpenVMS Management Station kit includes components (PWMGMT.EXE and SVNVIEW.DLL) that fix problems in ManageWORKS. These components are a subset of the PATHWORKS Client V5.1 patch kit CSCPAT\_3504.

### **PATHWORKS Configuration Utility**

You should run the PATHWORKS configuration utility to configure your PATHWORKS Client software before you install OpenVMS Management Station.

If you run the PATHWORKS configuration utility after installing the OpenVMS Management Station software, you *must* reinstall the OpenVMS Management Station software. This is because the OpenVMS Management Station kit includes updated versions of several ManageWORKS files.

However, if you have already installed the PATHWORKS Client V5.1 patch kit, CSCPAT\_3504, the updated versions of the files are already installed and this restriction does not apply.

### **Required Privileges**

When you insert a VMScuser system or OpenVMS node into an OpenVMS Management Domain, you specify a user name to use with that cluster or node. OpenVMS Management Station uses the authorized privileges defined for this user name to perform management operations.

The user name you specify must have the SETPRV privilege in order for OpenVMS Management Station to perform all of the operations associated with user account management.



## Removing Rights Identifiers Associated with Shared UICs

Rights identifiers are associated with UICs, not with user names. If you remove an identifier from multiple users that share a UIC, the identifier is successfully removed for the first user. OpenVMS Management Station returns an error for all subsequent users that share the UIC.

## Filtering Users by Rights Identifier

The time needed to filter users by their rights identifiers is directly proportional to the number of users and rights identifiers on the system.

## Defining Primary Server DECnet Node Names

When you create an OpenVMS management domain, you specify one or more systems as primary servers. The DECnet node names of these systems must be defined in the permanent DECnet database on the PC running the OpenVMS Management Station. When you define the DECnet node names, you *must* use the DOS-based version of NCP; if you use the Windows based version of NCP, the DECnet node names you define will not be recognized by OpenVMS Management Station.

## "Failed to Load OMM VMSCLU" Error

If Version 1.0 of TeamLinks is installed on your PC, OpenVMS Management Station uses the XTI Library component of TeamLinks to communicate with OpenVMS Management Station servers.

In this case, the TeamLink directory (\TEAMLINK) *must* appear in the PATH statement. Otherwise, you will encounter "Failed to load OMM VMSCLU" errors when starting ManageWORKS.

## "Cannot Find PWSOCK.DLL" Error

OpenVMS Management Station requires that the PATHWORKS file PWSOCK.DLL be available to your PC. PWSOCK.DLL is installed as part of the Socket Library Files option of the PATHWORKS Network Utilities component.

If, during your PATHWORKS installation, you installed the Socket Library Files on a network device, that device must always be available in order for OpenVMS Management Station to function correctly.

Therefore, Digital recommends that you configure your PC to install the Socket Library Files locally. To do this, run the PATHWORKS configuration utility, PWSETUP.EXE, to reconfigure your PC. This configuration utility is described in your PATHWORKS documentation.

The PATHWORKS Installation Checklist included with the OpenVMS Management Station installation instructions also describes how to configure the Socket Library Files option to make PWSOCK.DLL available.

## Using the Disk Selection Dialog with Volume Sets

If you use the Login Disk Selection control to select a member of a volume set, select the first member of the volume set to set the disk field to the logical volume name.

If you select other members of the volume set, the disk field is set to the physical device name.

Volume members are indicated by "Vol. x" appended to the disk name, or by 1, 2, and so forth if the disk name is particularly long.



## Manually Editing the UIC Group Number

If you manually edit the UIC Group control on the Advanced UIC dialog box, the Next Available Member and Next Highest Member controls are not updated. If you select an existing group from the list, the Next Available Member and Next Highest Member controls are properly updated. Please see the online help for more information.

## Using Apply to All to Add a Default Proxy

If you use Apply to All to add a default proxy for multiple accounts on a VMSCluster or OpenVMS node, the proxy is added for all of the selected accounts. However, only the last account to be modified reflects the default proxy status. This is because a proxy can be the default for only one user account.

## Updating the Viewer After Changes to OpenVMS Accounts

The OpenVMS User objects that are displayed after expanding the OpenVMS Accounts object are a snapshot of the accounts on the systems at the time the expand action was performed. As such, any changes made to the accounts via the zoom, create, delete users, or rename users features of OpenVMS Management Station are not represented in the displayed OpenVMS Users objects in the viewer. If you want to see the latest changes to the accounts in the viewer, you must collapse and expand the OpenVMS Accounts object to retrieve the updated information.

This requirement also applies to any changes, additions, or deletions performed on the systems via the OpenVMS Authorize utility while the accounts are displayed in the viewer.

## Known Problems

This section details known problems in the OpenVMS Management Station software. These problems will be fixed in future releases of the software.

### Filtering by ID with Exact Match

Account display filters limit which user accounts are displayed when you expand an OpenVMS Accounts object. If you set a filter of

"ID Equal to xxx"

where xxx is a specific, nonwildcard value, only the first matching user account is displayed for a node in a domain. To work around this problem, insert an asterisk (\*) wildcard character in the Value field, for example xxx\*.

### Renaming Users Resets New Mail Count

If you rename a user account that has unread new mail messages, the new mail count for the renamed account is set to zero. However, the user can use the READ/NEW command to read the new mail messages.

### Long Proxies Are Not Completely Displayed

Proxies held by a user account are not entirely visible if they are longer than the display field.

### Filter Attribute for the OpenVMS Accounts Object is Not Always Refreshed

OpenVMS Management Station lets you display the current filter for an OpenVMS Accounts object in the viewer.



However, if you change the filter for a collapsed OpenVMS Accounts object, the filter is not refreshed until you expand the object.

If you change the filter for an expanded OpenVMS Accounts object, and automatic expand is enabled, the filter is refreshed correctly.

### Canceling Primary Server Message Box Causes Error


If you populate an OpenVMS Management Domain with OpenVMS Nodes or VMScluster systems, at least one of the systems must have the Primary Server control set.

If at least one system in the current domain does not have the Primary Server control set, a message box is displayed.

Do not click on Cancel to dismiss this message box. A problem occurs during the cancel operation and the system can no longer be entered into the domain. If you do click on Cancel, you must delete the OpenVMS Management Domain and then recreate it.

To work around this problem, click on OK in the message box. Then zoom on at least one system in the OpenVMS Management Domain and set the Primary Server control.

You zoom on an object by first selecting the object and then using any of the following methods:

- Double-clicking on an object if zoom is the default action for the object.
- Using the Zoom  tool in the toolbar.
- Using the **Zoom** command from the Actions menu.

This problem will be fixed in a future release.



